

RUMANIA/Soil Science - Soil Genesis and Geography

J

Abs Jour : Ref Zhur Biol., No 1, 1959, 1326

Author : Obrejanu, Gr., Iancovici, Br., Maimu, Al., Stanga, N., Vintila, I.

Inst : Research Institute of Agriculture

Title : Agricultural-Soil Investigations in the Upper Basins of the Olt River

Orig Pub : An. Inst. cercetari agron., 1957, 24, No 5, 9-29

Abstract : The upper basin of the Olt River includes tributaries the Birsei, Gheorghe and Tirgu Secuiesc rivers. The conditions of soil formation are described. There are distributed here podzolic, brown forest, pseudo-rendzina chernozem, chernozem-like carbonated, and sandy weakly developed soils. The peculiarities of the distribution of these soils are discussed. A schematic map of the

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RUMANIA/Soil Science - Soil Genesis and Geography.

J

Abs Jour : Ref Zhur Biol., No 1, 1959, 1326

soil area on a scale of 1:500,000 is given. -- P.V.  
Shranko

Card 2/2

O BREJNU, Gr.  
SURNAME, Given Names

Country: Rumania

Academic Degrees: -Prof. Dr.-

Affiliation: Corresponding Member of the RPR Academy.

Source: Bucharest, Stiinta si Tehnica, No 9, Sep 1961, pp 14-15.

Data: "Superior Agro-Technology---Increased Production."

670 98164

OBREJANU, Gr.; BAJESCU, Irina; CHIRIAC, Aurelia; SALZMAN, Sarina;  
VINTILA, Irina

Odzolic soils of Rumania, and increase of their fertility. Studii  
agr Timisoara 9 no.1/2:137-175 Ja-Je '62.

OBREJANU, Grigorij, akademik; CARANACHE, A., prof.

Physical properties of soils of the depressions of the East  
Rumania Valley. Rost výroba 9 no. 12: 1247-1258 D '63.

1. Akademie ved Rumunske lidove republiky, Bukurest.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720005-4

OBREJANU, V., head.

Fourth International Congress of Soil Science, August 21-September  
3, 1964, Copenhagen, Denmark. Vol. 1, pp. 1-12, 1965.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720005-4"

SUBJECT USSR / PHYSICS CARD 1 / 1 PA - 1525  
AUTHOR OBREMEMKO, V.  
TITLE On the Projected Statute for the International Agency for  
Atomic Energy.  
PERIODICAL Atomnaja Energija, 1, fasc. 4, 166-167 (1956)  
Issued: 19.10.1956

All delegations present at the Washington Conference (27.2.1956) voted in favor of this project as a whole. However, the Soviet delegation pointed out some deficiencies which are, in their opinion, of essential importance, and made certain reservations regarding the article criticized. One of the most important deficiencies of the statute according to the opinion of the Soviet delegation is the discriminatory treatment of those states which are not members of the United Nations or of special organizations of the U.N. The most important points of the statute consisting of 23 articles as accepted at Washington were then mentioned.

INSTITUTION:

OBREMSKI, Jan

New repair and limit dimensions of axle necks of locomotive  
wheel sets. Przegl kolej mechan 10 [i.e.15] no.10:304-308  
O '63.

1. Designing Office, Central Institute for Research and Development  
of Railway Techniques, Warsaw.

OBREMSKI, Jan, inz.

Acceptance testings of combustion engines of the Ganz-Jendrassik  
Type. Przegl kolej mechan 13 no.10:295-300 0 '61.

OBREMSKI, Jan

High-pressure engine of the SM41 locomotive. Przegl kolej mechan 14  
no.10; 312-319 0 '62.

OBREMSKI, Jan

Basis of the technical documentation of combustion traction.  
Przegl kolej mechan 14 no.12:360-364, 374 D '62.

1. Biuro Konstrukcyjne Centralnego Osrodka Badan i Rozwoju  
Techniki Kolejnictwa, Poznan.

OBRĘMSKI, Jan

New repair and limit dimensions of axle necks of locomotive  
wheel sets. Przegl kolej mechan 10 [i.e.15] no.10:304-308  
0 '63.

1. Designing Office, Central Institute for Research and  
Development of Railway Techniques, Warsaw.

OBREMSKIY, S. V.

"Approximate Methods of Solving the Plane Problem of the Theory of Elasticity  
for Several Plates With Open Contour." Cand Tech Sci, Kiev Construction  
Engineering Inst, Kiev, 1954. (RZhMekh, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

YEREMENKO, V.S. [IEremenko, V.S.] (Kiyev); OBRIMSKII, S.V. [Obrems'kyi]  
(Kiyev); PAVLOV, I.G. [Pavlov, I.H.] (Kiyev)

Design of a folded cyclically symmetric prismatic shell. Prykl.  
mekh. 9 no.5:561-564 '63  
(MIRA 16:10)

1. Kiyevskiy inzhenerno-stroitel'nyy institut.

L 16377-65 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/EWP(k)/EWA(h) Pf-l/Peb AEDC(a)/  
ACCESSION NR: AP5000104 ASD(f)-2/AFTC(p) EM S/0198/64/010/006/0587/0593

AUTHORS: Obrem's'kyi, S. V. (Kiev); Obremskiy, S. V. (Kiev)

TITLE: Static solution of a ribbed cylindrical water cooling-tower shell B

SOURCE: Prykladna mekhanika, v. 10, no. 6, 1964, 587-593

TOPIC TAGS: shell structure, shell theory, static deflection, ribbed surface

ABSTRACT: A method is described for the static design of a cylindrical water cooling-tower shell having heavy-duty longitudinal and transverse ribs. The same sequence of conclusions arrived at by V. Z. Vlasov (Obshchaya teoriya obolochek, GITL, 1949) in his generalized moment theory for shells was used with a different hypothesis. Vlasov considered a smooth shell and used the "direct normal" hypothesis. In this work, the hypothesis of direct normals was not used. The ribs were assumed to function under deflection and tension-compression, and the shell itself was considered without moments. Both longitudinal and transverse rib properties were averaged along the circumference and over the height. Consequently, the shell was considered to be orthotropic in construction with different stiffness coefficients in different directions. A system of three differential equations was introduced and was subsequently reduced to one eighth-order equation.

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L 16377-65  
ACCESSION NR: AP5000104

This equation was solved approximately but with an exact criterion for evaluating the error in the approximate solution of the equation. The solution was put in the form of standard working formulas for displacement and stress. Orig. art. has: 16 equations, 2 figures, and 1 table.

ASSOCIATION: Dnipropetrov's'ky'y inzhenerno-budival'ny'y insty\*tut (Dnepropetrovsk  
Engineering-Construction Institute)

SUBMITTED: 27Feb63

ENCL: 00

SUB CODE: AS

NO REF SOV: 003

OTHER: 000

Card 2/2

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720005-4

SECRET//NOFORN

SECRET//NOFORN  
[REDACTED]

[REDACTED]

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720005-4"

L 4438-66 ENT(d)/ENT(m)/ENT(w)/ENT(y)/ENT(k)/ENT(h)/ENT(m) WW/EM

ACC NR: AP5021961

UR/0021/65/000/008/1021/1023

AUTHOR: Obrems'kyy, S. V. (Obrem'skiy, S. V.)

308

TITLE: Application of Raleigh's method to the determination of the natural oscillation frequencies of shells

SOURCE: AN UkrSSR. Dopovidi, no. 8, 1965, 1021-1023

TOPIC TAGS: approximation method, shell structure dynamics, shell vibration 26

ABSTRACT: The approximate Raleigh method, based on the constancy of the kinetic and potential energies of elastic systems, reduces the calculation of oscillation frequencies of beams and frames to problems involving harmonic oscillations with one degree of freedom. The method is applied to shells and is found to reduce to an even simpler form for shells of revolution when annular sections are deformed according to a cos<sup>nθ</sup> law ( $n = 2, 3, 4, \dots, 6$  is the angle coordinate). For comparison, an approximate calculation of the natural frequencies of a cylindrical shell using the proposed method and slide-rule accuracy yields a frequency of  $19.6 \text{ sec}^{-1}$ , as compared with a precise calculation which yields  $18 \text{ sec}^{-1}$ . This report was presented by F. B. Belyankin (Byelyankin). Orig. art. has: 7 formulas.

ASSOCIATION: [Kiyevski inzhenerno-stroitel'nyy institut] Kiyiv's'kyy inzhenerno-budivel'nyy instytut (Kiev Construction Engineering Institute)

Card 1/2

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720005-4

I 4438-66

ACC NR: AP5021961

SUBMITTED: 04Jul64

ENCL: 00

SUB CODE: AS

NR REF Sov: 003

OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720005-4"

OBREMSKIY, S.V. [Obrems'kyi, S.V.] (Kiyev)

Static calculation of a rib-reinforced cylindrical shell for  
water-cooling towers. Prykl. mekh. 10 no.6:587-593 '64.

(MIRA 18:2)

1. Kiyevskiy inzhenerno-stroitel'nyy institut.

OBREMSKIY, S.V. [Obrems'kyi, S.V.]

Use of Rayleigh's method in determining the frequency of the  
characteristic vibrations of shells. Dop AN UkrSSR no.8, 1965.  
1023 '65. (MIRA 18:8)

I. Kiyevskiy inzhenerno-stroitel'nyy institut.

STEFANOVIC, Gj.; OBRENOVIC, Dragica; VAJGAND, V.; ZIVKOVIC, N.

Electrolytic extraction of copper from silver alloys. Glas Prir  
mat SANU 243 no.20:53 -71 '60.

1. Institute of Chemistry of the Faculty of Sciences of the  
University in Beograd.

STEFANOVIC, D.; OBRENOVIC, Dragica; VAJGAND, V.; ZIVKOVIC, N.

Electrolytic separation of copper from silver alloys. Glas prir mat  
SAN no.253:53-71 '60. (EEAI 10:5)

1. Faculty of Sciences, Institute of Chemistry, Beograd.  
(Electrolysis) (Copper) (Silver)

OBRENOVIC, L.

✓ Chlorpromazine and resistance of the heart to anoxia.  
J. Gajic, J. Radulovic, and L. Obrenovic (Univ. Belgrade, Yugoslavia). *Comp. rend. soc. biol.* 151, 428-9 (1957); cf. *C.A.* 50, 133191.—Chlorpromazine increases the resistance of the rat heart *in vivo* to anoxia at normal body temp., and increases it still more if given in sufficient amt. to produce hypothermia. The max. effect in hypothermia is seen at 28°; below this (15-19°) the resistance decreases.

L. E. Gilson

5

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*[Handwritten signature]*

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CIA-RDP86-00513R001237720005-4"

OBRENOVIC, M.

AGRICULTURE

Periodical: POLJOPRIVREDA. Vol. 1, no. 9, Sept. 1958.

OBRENOVIC, M. Financing reparation works. p. 1.

Monthly List of East European Accessions (EAI) LC, Vol. 8, no. 3  
March 1959 Unclasse.

OBRENOVIC, Mile

The "Dinamo" transformers on foreign markets. Elektroprivreda  
14 no.11/12:638-639 N-D '61.

OBRENOVIC, S.

Sanitary supervision and hygienic conditions of schools in Krjaca.  
Glas. hig. inst. 10 no.1/2:71-72 Ja-Je '61.

(SCHOOL HEALTH)

CVJETICANIN, N.M.; OBRENOVIC, I.D.

Separation and determination of hydroxyphosphoric acids by  
paper chromatography. Bul Inst Nucl 11:173-179 '61.

1. Institute of Nuclear Sciences "Boris Kidrich," High Activity  
Department, Vinca.

CVJETICANIN, Natalija, dipl. fiz. hem. (Beograd, Vjekoslava Kovaca br.8/VII);  
OBRENOVIC-PALIGORIC, Ivanka, dipl. fiz. hem.; NEMODA, Dusanka,  
"dipl. tehn.

Analytical control of the reprocessing of nuclear fuel. Tehnika  
Jug 18 no.11 Suppl: Radioizotopi zrac 2 nc.11:1997-2005 N :63.

1. Saradnici Instituta za nuklearne nauke "Boris Kidric", Beograd-  
Vinca.

OBREKOVIC-PLAIGORIC, I.D.; CVORIC, J.D.

The separation of iodide, iodate and periodate by means  
of paper chromatography. Bul Inst Nucl 14 no. 2:  
95-101 Ap '63.

1. Hot Laboratory Department, Boris Kidric Institute of  
Nuclear Sciences, Beograd-Vinca.

CVJETICANIN, N. M.; CVORIC, J. D.; OBREKOVIC-PALIGORIC, I. D.

Chromatographic separation of metal ions by means of  
paper treated with trioctyl-phosphate. Bul Inst Nucl  
14 no. 2: 83-93 Ap '63.

1. Hot Laboratory Department, Boris Kidric Institute  
of Nuclear Sciences, Beograd-Vinca.

OBRENSKIY, V. Ye.; VENETSIANOV, Ye. A.; MOVSESOV, N. S.; DELIBASH, B. A.; SHIDLOVSKIY,  
M. F.; PEYVE, V. V.; POLIKARPOV, P. I.; BERG, A. Ya. and BLEKIMAN, A. A.;

"The Case for Explosion-proof Electrical Equipment in the Oil and Gas Industries"

report presented at the All-Union Scientific and Technical Conference on the Electrical  
Equipment in Buildings and Outside Installations Liable to Explosions, 14-19 April 1958,  
Stalino  
(Energet, Byulleten', 1958, No. 7, pp 29-33)

PANAYOTOV, I.M.; GBEFSHKOV, A.T.

Heterogeneous polymerization of acrylonitrile initiated by  
alkali metal hydroxides. Vysokom. soed. T. no. 2:366-371  
(MIRA 18:3)  
F '65.

I. Institut organicheskoy khimii Akademii nauk Bolgarii, Sofiya.  
1. Institut organicheskoy khimii Akademii nauk Bolgarii, Sofiya.

OBRESHKOV, D., inzh.

Determining some characteristics in carburetor motors. Gossannik  
Min geol inst 3;299-308 '61-'62 [publ. '63].

Possibility of regulating fuel feed in delivery pumps by means of  
a relative movement of the piston and plunger. Izbrit. 1972.

OBRESHKOV, D.

Parts of radio sets. p. 56.  
(RADIO I TELEVIZIIA, Vol. 6, no. 6, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Unclassified

OBRESHKOV, L.

"Preparing the parts for soldering."

p. 42 (Radio I Televiziia) "Vol. 1", no. 12, 1957  
Sofia, Bulgaria

SC: Monthly Index of East European Accessions (EEAI) LC. "Vol. 7, no. 4,  
April 1958"

OBRFESHKOV, N.

SCIENCE

Periodical: IZVESTIIA. Vol. 3, no. 1. 1958

OBRFESHKOV, N. Certain integral representations of real functions on the  
real semiaxis. p. 3.

Monthly List of East European Accessions (EEAI), IC. Vol. 8, no. 2  
February 1959, Unclass.

OBRESHKOV, D., inzh.

Internal-combustion engines with increased liter power.  
Godishnik Min geol inst 7 no.1:153-162 '60/'61.

OBRESHKOV, D., inzh.

Crankgear and its application to internal-combustion engines.  
Godishnik Min geol inst 7 no.1:163-173 '60/'61.

OBRESHKOV, D., inzh., dots, kand, no tekhn. nauki; DENEV, St., inzh.

Intensification of the grinding process with centrifugal  
roller mills. Min delo 18 no.9:15-19 S '63.

1. Minno-geologhki institut.

OBRESHKOV, D., inzh.

Vibration sieve with a rotary drum. Min delo 12 no.10:45 0'63.

OBRESHKOV, D., dots. inzh.

Possibility of centrifugal unloading of materials in centrifuges used in ore-dressing industry. Gorishnik Min geol inst 9:91-106, '62-'63.[publ. '64].

Determining operational conditions of a ball mill with the aid of a tensiometer. Itiu.:lli-ll:

NEDIALKOV, St.; OBRUSHKOV, K.; BOIADZHIEV, St.

Susceptibility and immunity of some animal species to the  
Aujeszky's disease virus. Izv Vet inst zaraz parazit 8:  
87-97 '64

BULGARIA

OBRESHKOV, Kiril, Dr, and GEORGIEV, Dr Georgi [Affiliation not given]

"Case of DDT and Chlorhexane (HCH) Poisoning in Poultry."

Sofia, Veterinarna Sbirka, Vol 60, No 5, 1963; pp 15-17.

Abstract: Brief review of toxicology of the 2 pesticides in birds and report of mild epizootics of poisoning observed in 1962 in 3 poultry farms following attempts to eliminate exoparasites: description of symptoms and course, treatment. Photograph of 2 hens in typical pose. Neurotoxicity.

1/1

YUGOSLAVIA

OBREISKOV, K.; Institute for Veterinary Infectious and Parasitic Diseases [original version of affiliation not shown], Sofia, Bulgaria.

'Course and Diagnosis of Infectious Bronchitis in Poultry in Bulgaria.'

Belgrade, Veterinarski Glasnik, Vol 20, No 7, 1966; pp 515-518.

Abstract [English summary modified]: Studies in 26 poultry farms in Bulgaria including virology in vitro and in vivo, agar gel precipitation and serum neutralization, all confirmed presence in 46 of 265 chicks of infectious bronchitis; simultaneous tests with S<sub>6</sub> mycoplasmosis antigen indicated that mixed infection is exceedingly common. 1 German, 7 US references; manuscript received 23 May 66.

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- 121 -

1964

DECEASED

C'64

OBRUSHEV, MIKOŁAJ  
Bulgarian  
Mathematics

OBRESHKOV, P.; KALCHEV, P.

Possibilities of using thin horizontal-frame saws in our woodworking enterprises. p. 46.  
(Tezhka Promishlenost, Vcl. 5, no. 12, 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

OBRESHKOV, Petur, inzh., kand. tekhn. nauki; KACHAROV, Emil,  
inzh.

Computing the soldering strength of hard-alloy teeth in  
milling cutters and circular saws. Durvomebel prom 6 no. 2:  
4-6 Mr-Ap '63.

1. Chlen na Redaktsionnata kolegiia, "Durvoobrabortvashta  
i mebelna promishlenost" (for Obreshkov).

(B 17000V,  $\log T = 3.8$ ,  $1.0 \times 10^{-3} M_{\odot}$ )

Checking for the first few terms of the Taylor series expansion:

b. "Ave b" - *Antiphona* - *Antiphona* - *Antiphona* - *Antiphona*

OBRESHKOV, Petur D., k.t.n. inzh.; MAINKHARD, Teodor K., inzh.

Wearing qualities of flat cutters made of alloyed and  
high-speed steel in milling beech parquetry. Durvomebel  
prom 7 no.4:8-13 Jl-Ag '64.

1. VPKIMMI (for Obreshkov). 2. KCGP (for Mainkhard).

POPOV, Kiril, inzh., nauchen sutrudnik; OBRESHKOV, P., k.t.n., nauchen sutrudnik

Abrasice materials and tools for sharpening wood-cutting instruments.  
Duryomebel prom 7 no.6:1-5 N-D '64.

1. Scientific Research Institute for the Design, Development,  
and Manufacture of Metal-Cutting Machines and Instruments.

OBRESHKOV, Stoian

Problem of price differentiation in nonferrous metallurgy according  
to quality. Trud tseni 5 no.2:29-38 '63.

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OBRESHKOV, Stoyan

Wage differentiation in industries, and assimilation of net profit in the budget. Trud tseni 6 no.15/2e-37 "u.

OBRESHKOV, St.

Trends and factors of prime cost variation in mining. Min  
delo 18 no.6:13-16 Je'63.

1. Nauchnoizsledovatelski institut po truda i tsenite.

OBRESHKOVA, EJ.

Importance of serum electrophoresis in dermatology. Dermato-venere  
Sofia 3 no.2:121 '64.

OBRESHKOVA, Q.

(1)

GRUNCHAROVA, D., inzh. (Bulg); MINEV, M. Kh., inzh. (Bulg); ZLATEV, St., inzh.  
(Bulg); VIRONOV, G., inzh. (Bulg); OBRESHKOVA, G., inzh. (Bulg)

Manufacture and control of asbestos friction products in Bulgaria.  
Mashinostreene 11 no.4:33-34 Ap '62.

S/137/62/000/003/047/191  
A006/A101

AUTHORS: Vasilev, Khr., Obreshkova, N.

TITLE: On the problem of roasting a non-standard molybdenum concentrate in a fluidized bed

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 24, abstract 30155  
("Godishnik Khim.-tekhnol. in-t", 1959 (1960), v. 6, no. 1, 1 - 9,  
Bulgarian; Russian and English summaries)

TEXT: The roasting of a non-standard Bulgarian Mo-concentrate in a fluidized bed was investigated in a laboratory. The effect of temperature and roasting time upon the degree and rate of roasting was studied. The optimum roasting temperature was 580°C. The roasting time varied from 3 to 30 minutes. The degree and rate of roasting in a fluidized bed are considerably higher than in a fixed layer.  
There are 11 references.

G. Svodtseva

[Abstracter's note: Complete translation]

Card 1/1

PETRESKU, V. [Petrescu, V.]; ~~Obrestianu~~, D. [Obrestianu, D.]

Significance of potassium ions for uterine dynamics. Akush. i  
gin. no.2:65-68 '62. (MIRA 15:6)

1. Iz akushersko-ginekologicheskoy kliniki (dir. - prof. K.  
Aburel) Bukarestkoy bol'nitsy "Filantropiya".

(POTASSIUM) (UTERUS)

OBRETENOV, Aleksandur

State of scientific criticism in the Bulgarian Academy of Sciences. Spisanie BAN 8 no. 4: 10-21 '63.

1. Corresponding Member of the Bulgarian Academy of Sciences.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720005-4

OBRETENOV, Apostol

The entropy of a scheme. Fiz mat spisanie BAN 4 no. 3:213-216 '61.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720005-4"

OBRETENOV, A.

A colloquium on the probability theory, held at Brasov  
October 22-26, 1962. Fiz mat spisanie BAN 5 no.4:316 '62.

OBRETENOV, Apostol

On the more rigorous law of great numbers. Izv Mat inst  
BAN 6:5-13 '62.

PENKOV, B.; OBRETENOV, A.; SENDOV, B.; KIRPIKOVA, T.; JOUKANOV, T.  
[Dzhukanov, T.]

Frequencies of letters in written Bulgarian. Doklady BAN 15  
no.3:243-244 '62.

1. Submitted by Corresponding Member L. Ilieff [Iliev, L.].

OBRETCENOV, A.

Some indispensable conditions for the amplified stability of a  
series of random values. Izv Mat inst BAN 7 127-133 '63.

OBRETENOV, Apostol (Sofia)

Some necessary conditions for the stability of sequences  
of random variables. Rev math pures 8 no. 2:293-296 '63.

L 18090-66 EWT(d) IJP(c)

ACC NR: AP6010169

SOURCE CODE: BU/0011/65/018/008/0719/0722

18

AUTHOR: Obretenov, A.

B

ORG: Institute of Mathematics, Bulgarian Academy of Sciences

16,44,55

TITLE: Difference between the absolute first moment of a sum of random variables  
and the normal distribution

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 8, 1965, 719-722

TOPIC TAGS: statistics, normal distribution, random process

ABSTRACT: Let  $x_1, x_2, \dots, x_n, \dots$  be independent, identically distributed random variables with a non-degenerate distribution function  $F(x)$ . Let the distribution functions of  $S_n = x_1 + x_2 + \dots + x_n$  be denoted by  $F_n(x)$ . In discussing the variable  $z$ , equal to the first positive sum in the sequence  $S_0 = 0, S_1, S_2, \dots, S_n, \dots$  and its first moment,

one has to investigate the convergence of the series  $\sum n^{-1/2} \left[ \frac{1}{2} - P(S_n < 0) \right]$

(P. Spitzer, Trans. Amer. Soc., 94, 1960, 150; B. Rosen, Arkiv mat., 4, 1962, 323; L. Baum, M. Katz, Ann. Math. Statistics, 34, 1963, 1042). In the case of the second moment of  $z$ , the series

$$\sum n^{-1/2} \left[ (2\pi)^{-1/2} - (n\pi)^{-1/2} \int_0^\infty x^2 dF_n(x) \right], \quad n^2 = \int_0^\infty x^2 dF(x). \quad (A)$$

Card 1/2

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ACC NR: AP6010169

and its convergence are of importance. The author proves the following theorem: If

$$\int |x|^{\alpha} dF(x) < +\infty, \quad 0 < \alpha < 1 \text{ and } \int x dF(x) = \int x^2 dF(x) = 0, \quad (8)$$

then the series  $\sum_{n=1}^{\infty} n^{-1} \left[ (2\pi)^{-1/2} - (\sigma n^{1/2})^{-1} \int x dF_n(x) \right]$  is convergent. This paper

was presented by Academician H. Kristow on April 22, 1965. Orig. art. has:  
13 formulas. [JPRS]

SUB CODE: 12 / SUBM DATE: 22Apr65 / OTH REF: 004

Card 2/2 TS

L 36802-66 LIP(c)

ACC NR: AP6027857

SOURCE CODE: SU/0012/65/008/004/0286/0289

AUTHOR: Caretanov, Apostol

ORG: none

TITLE: Abel's theorem concerning compositions

SOURCE: Fiziko-matematicheskoe spisanie, v. 8, no. 4, 1965, 286-289

TOPIC TAGS: convergent series, asymptotic property

ABSTRACT: It is known that every real power series has an interval of convergence (which may be infinite or may degenerate into a point  $x = 0$ ). If the interval is finite, it is often useful to know the behavior of

$$\lim_{n \rightarrow \infty} \sum_{k=0}^n a_k x^{n-k} = f(x) \quad (1)$$

when  $x$  approaches one of the limits of the interval. The theorems on power series provide statements applicable to the asymptotic behavior of the function  $f(x)$  at the limit of the interval of convergence, and these theorems are called Abel-type theorems. The present note formulates one such theorem stating that if the series (1) with  $a_n \geq 0$  is convergent for  $0 < x < 1$ ,

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ACC NR: AP6027857

then, if the sum  $S_n = \sum_{k=0}^n a_k$  satisfies the asymptotic expression  $\lim(S_n/n) = c$   
with  $c$  a constant, we have  $\lim_{x \rightarrow 1-0} (1-x) f(x) = c$ .

Orig. art. has: 10 formulas. [JPRS: 36,845]

SUBM DATE: 12 / SUBM DATE: nono

Card 2/2 of

OBRESHKOV, K.

Toxin formation in *Clostridium perfringens* of the B, C, and D types.  
Izv Vet inst zaraz parazit 8:55-61 '64

OBRETENOVA, K.

✓ 1239. Immunological activity of typhoid and paratyphoid vaccine [TAB] in guinea pigs when inoculated at different sites. W. Markov and L. Obretenova Z Hyg InfektKr., 1953, 143, 43-49 (Inst of Microbiol. Acad. of Sci. Sofia, Bulgaria) Guinea pigs were inoculated 3 times with TAB by 4 different routes: [I] intracutaneously on the inner side of the right thigh; [II] IV; [III] cutaneously over the right scapula and [IV] into the pharyngeal mucosa. The O and H antibodies were titrated in the serum after 5, 8, 12, and 20 days; titres were, in general, in the order I > II > III > IV. The extent of the lesion produced by the intracutaneous injection of live typhoid and paratyphoid organisms was least in I, increasing to IV and greatest in controls. Other guinea pigs were inoculated, as in I, 1 month after [A] removal of the lymph nodes in the groin, or [B] section of the lateral femoral cutaneous and the dihypogastric nerves. The level of the antibody was produced was controls > A > B. The results obtained are discussed with reference to theories of antibody production and local immunity. (German) N. Datta

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MARKOV, Vl., Akad.; OBRETENOVА, Kl. D-r.

Immunological effects of triple vaccine in various modes of its administration in guinea pigs. Izv. Mikrob. inst., Sofia no.8:41-58 1957.  
(VACCINES AND VACCINATION, eff.)

TAB vaccine, immunol. eff. on guinea pigs in various forms  
of admin.)

(TYPHOID FEVER, immunology.  
same)

(TYPHOID FEVERS, immunology.  
same)

NOCHEVA, M.; OBRETOVA, KH., kruzhochnichka

Modification of the enzymatic activity of amylase, phosphatase and cholinesterase under the influence of hypnotic and sedative drugs (sodium bromide, luminal sodium, chloral hydrate, urethane and sodium amyta). Suvr. med. 12 no. 6:75-80 '61.

1. Iz Katedrata po biokhimiia pri Visshiia meditsinski institut, Sofiia. (Rukovoditel na katedrata prof. B. Koichev)

(AMYLASE metab) (PHOSPHATASE metab)  
(CHOLINESTERASE metab)  
(HYPNOTICS AND SEDATIVES pharmacol)

OBRETENOVA, K.

The effect of 6-mercaptopurine on the delayed hypersensitivity and  
on the formation of antibodies in rabbits injected with different  
quantities of human serum albumin. Doklady BAN 16 no.6:677-680  
'63.

1. Submitted by Corresponding Member Al. Toshkov.

MARKOFF, Vl. [Markov, Vl.] [deceased]; KHADJILOV, A.I. [Khadzhilov, A.I.];  
OERETENOVA, K.; KALAIIDJIEV, V. [Kalaidzhiev, V.]; MIHAILOVA, A.  
[Milhailova, A.]

On the serological and cellular-tissue changes during the  
infections and in immunizatory processes caused by *Salmonella*  
*typhi murium*. Doklady BAN 16 no.7:769-772 '63.

L 4353-66  
ACC NR: AP5028779

SOURCE CODE: BU/0011/65/018/002/0165/0168

AUTHOR: Vulchanov, V. H.; Vassilev, V. N.; Obretenova, K.; Belokonski, I.

R

B

ORG: Institute of Microbiology, Bulgarian Academy of Sciences; Tuberculosis Research Institute at the Ministry of Health and Social Welfare

TITLE: Auto-immunization and auto-allergization in preliminary x-ray treated guinea pigs infected with tuberculosis

SOURCE: Bulgarska akademiya na naukite, v. 18, no. 2, 1965, 165-168

TOPIC TAGS: immunology, experiment animal, biochemistry, immunization, radiology, radiation biologic effect, tuberculosis

ABSTRACT: [English article] It was established in previous investigations by the authors (Izv. Mikrobiol. inst. RAN, 15, 1963, 115; Immunitsets- u. Allergieforsch., 125, 1963, 207) that complement-fixing leuco-, pulmo-, and cerebro-antibodies could be detected in the serum of some tuberculous patients with chronic empyema. Comparing this with the findings of other researchers who found leucosggutins in patients with splenic tuberculosis (see, e.g., S. Moeschlin, Acta Scand. Suppl., 312, 1956, 518) and pulmosntibodies in patients with cavernous lung tuberculosis (A. T. Hennes et al., Amer. J. Resp. Dis., 83, 1961, 354), the authors stressed the role of tuberculosis infection in the induction of a 'polyspecific' auto-immunization process in

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ACC NR: AF5028779

the affected organism. Experimental studies, part of which are the subject of the present communication, were performed with the aim of further elucidating this problem. As has been shown in the guinea pig infection model, it seems that mycobacterium tuberculosis humanum, strain H<sub>37</sub>Rv, plays a significant role in inducing auto-antigenicity of a 'polyspecific' character. The pre-treatment with 400 r irradiation, producing conditions for a wider spread and deeper penetration of the infection, increases the possibilities of inducing auto-antigenicity and accelerates the autoimmunization process. Irradiation causes inhibition (up to the 50th day) of the delayed type of hypersensitivity in animals infected with tuberculosis. In some cases only auto-sensitization with respect to extracts of lymph node, brain, and peritoneal leucocytes is established on the 30th day or later after the infection. The induction of auto-antigenicity in the concrete case might be ascribed rather to the infection's direct action (the effect of irradiation being added to it) upon the tissues than to changes in the immunological competence of the antibody-forming cells caused by the radiation. The work was presented by A. Toschkoff, Corresponding Member of BAN, 30 Sep 64. Orig. art. has: 2 tables. [JPRS]

SUB CODE: LS / SUBM DATE: 30Sep64 / ORIG REF: 002 / OTH REF: 005

MC  
Card 2/2

OBRETENOV, Boris, inzh.; MITEV, Iliia, inzh.

Technoeconomical evaluation of the possibilities of introducing  
large-paneled dwelling buildings with vibrobrick panels in  
Bulgaria. Stroitelstvo 9 no.4:23-26 Jl-Ag '62.

MILEVA, G.; OBRETENOV, N.; POPOV, M.

Silver minerals from the Chipro' tsi deposits, Mikhaylovgrad  
District. Spis Bulg geol druzh 25 no.3:289-294 '64.

1. "NIPRORUDA" Institute. Submitted February 6, 1964.

MARKOV, M., polkovnik meditsinskoy sluzhby; KUPENOV, N., polkovnik meditsinskoy sluzhby; PETROV, M., podpolkovnik meditsinskoy sluzhby; OBRETENOV, O., podpolkovnik meditsinskoy sluzhby

Competition in the field of living conditions, health protection and cultural recreation and control of infectious diseases in the Bulgarian Peoples Army. Voen.-med. zhur. no. 3(16) '65.

(MIRA 18-11)

STAIKOV, Tsv., prof.; OBRETENOVA, L.

Need of hard wheat for nitrogen, phosphorus, and potassium in various stages of its growth. Izv Inst "Nikola Pushkarov" 4: 35-46 '62.

TASHEV, T.; BRAILSKI, Khr.; GULUBOV, T.; OBRETENOVA, N.

Therapeutic activity of ulcosin in peptic ulcer and chronic gastritis.  
Suvrem med., Sofia no.10:3-12 '60.

1. Iz Katedrata po gastroenterologija i dietetika pri ISUL (Rukov.  
na katedrata prof. T.Tashev)  
(PEPTIC ULCER ther)  
(GASTRITIS ther)

TASHEV, T.; BRAILSKI, Khr.; G<sup>o</sup>LABOV, T.; OBRETENOVA, N.

Therapeutic effect of the preparation, ulkozin in peptic ulcer  
and chronic gastritis. Vop. pit. 20 no.4 40-45 Jl-4g '61.  
(MIRA 14:7)

1. Iz kafedry gastroenterologii i diyetetiki (zav. - prof. T.Tashev)  
Instituta spetsializatsii i usovershenstvovaniya vrachey, Sofiya,  
Bulgariya. (STOMACH-DISEASES) (SESAME—THERAPEUTIC USE)

TASHEV, T.A.; OBRETENOVA, N.; MIADENOVA, Z.

The problem of the saturation of the population with ascorbic acid. Izv Inst khranene BAN 3:145-151 '64.

KRASAVINA, Ye., nauchnyy sotrudnik; OBREVKO, I., nauchnyy sotrudnik;  
LAGUNOVA, L., nauchnyy sotrudnik

New type of keramzit concrete. Sel'. stroi. 18 no.5:14-15  
My '63. (MIRA 16:6)

1. Nauchno-issledovatel'skiy institut sel'skogo stroitel'stva.  
(Keramzit) (Lightweight concrete)

OEREY, K.V. [Aubrey, K.V.]; ZUBKOVA, I.M. [translator]

Germanium in coal and in some of its by-products (from "Revue de l'Industrie Minerale," 40, special issue, July 1958). Biul.nauch.-tekhn.inform.VIMS no.1:7-12 '60. (MIRA 15:5)

1. Otdel nauchno-tekhnicheskoy informatsii Vsesoyuznogo nauchno-issledovatel'skogo instituta mineral'nogo syr'ya.  
(Germanium)

CHETRAFILOV, D.; OBREYKOV, L.; TANKOV, Iv.; ANDONOV, G.

A case of a large solitary calcified renal cyst. Khirurgija  
(Sofia) 18 no.5:599-601 '65.

1. Okryzhna bolnitsa, Pazardzhik (gl. lekar St. Stanchev).

OBREZ, Ivo

Serial cerebral angiography with an improvised cassette -- our  
experiences. Zdrav. vestn. 33 no.1:13-15 '64

1. Rentgenologiski oddelok splošne bolnišnice v Novem Mestu  
(Predstojnik: dr. Ivo Obrez); Nevrolaska slizba splošne bol-  
nišnice v Novem Mestu (Sef: dr. Oton Bajc); Kirurski oddelok  
splošne bolnišnice v Novem Mestu (Predstojnik: prim dr. Oton  
Bajc).

OBREZ, Ivo , dr.

Angiographic diagnostic examination of abdominal organs using  
Seldinger's method. Zdrav. vestn. 34 no.3:50-56 '65.

1. Rentgenologiski oddelek splosne bolnišnice v Novem mestu  
(predstojnik: dr. Ivo Obrez); Vjurški oddelek splosne bol-  
nišnice v Novem mestu (predstojnik: prim. dr. Oton Baje).

SHIRKIN, T. [Blanksh, T.A.] ; DEDDAN, A. [Blankin, A.]

New developments in the dyeing with blue reactive dyes. [An. pr. m.  
no. 1367] Jan-Mar '55.

MIRA 12.47

O I OBREZAN

"Development of a Procedure for the Measurements Which are Necessary  
to Evaluate the Operating Conditions of Electrovacuum Devices in Radio Apparatus"  
from Annotations of Works Completed in 1955 at the State Union Sci. Res. Inst.  
Min. of Radio Engineering Ind.

So; B-3,080,964

YEROFEEV, N.I., kand.tekhn.nauk; MILYUKOV, P.M., tekhnik; OBREZANOV, P.I.,  
inzh.; SMIRKOVSKIY, E.V.

Program control of a hoisting machine. Mekh. i avtom. proizv.  
15 no.7:33-37 J1 '61. (MIRA 14:7)  
(Hoisting machinery) (Automatic control)

ACCESSION NR: AP4044122

S/0118/64/000/008/0021/0025

AUTHOR: Yerofeyev, N. I. (Candidate of technical sciences); Obrezanov, P. I.  
(Engineer); Smrkovskiy, E. V. (Engineer); Milyukov, P. M. (Technician)

TITLE: Program control of a gantry crane

SOURCE: Mekhanizatsiya i avtomatizatsiya proizvodstva, no. 8, 1964, 21-25

TOPIC TAGS: program control, automatic control, crane, automatic control system

ABSTRACT: The automation of a grab-bucket gantry crane used for loading-unloading a ship (or a rr car) is described. Prior to automation, the crane operating cycle used to be 60-90 sec, and the crane operator used to perform up to 20,000 switching operations per 8-hr shift. As a result, the crane productivity used to be 15-20% lower than that technically feasible. A magnetic-tape-recorded program control based on a frequency-code system was introduced. A

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ACCESSION NR: AP4044122

simplified connection diagram is presented, and the principal functions of the automatic control (winch and bucket operation, preliminary commands, boom movement, slewing) are briefly explained. Orig. art. has: 1 figure and 1 table.

ASSOCIATION: Odesskiy institut inzhenerov morskogo flota (Odessa Institute of Marine Engineers)

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 2/2

L 38145-66

ACC NR: AP6010280

SOURCE CODE: UR/0103/66/000/003/0048/0055

AUTHOR: Obrezkov, G. V. (Moscow); Pervachev, S. V. (Moscow)

ORG: none

52  
53

TITLE: Tracking fall in a system with second-order astatism

SOURCE: Avtomatika i telemekhanika, no. 3, 1966, 48-55

TOPIC TAGS: analog computer, signal to noise ratio

ABSTRACT: Formulas for the determination of tracking fall probability in a second-order astatism system with two integrators have been derived; the derivation involved the solution of Fokker-Planck equations and system simulation on an analog computer. Two specific cases were analyzed: (1) with small damping ( $KT^2 < 1$ ), and (2) with large damping ( $KT^2 \geq 1$ ). The obtained formulas permit the determination of the signal-to-noise ratio with an error less than 12%, which is adequate for practical purposes. In the selection of the parameters of the system, the primary considerations are: (1) the least probability of tracking fall, and (2) an adequate signal-to-noise ratio at the output of the discriminator. Orig. art. has: 4 figures, 29 formulas.

SUB CODE: 09  
08,12/

SUBM DATE: 15May65/

ORIG REF: 005

UDC: 62-503.53

Card 1/1MLP

ROZENBERG, I.A., kand.ekonom.nauk; OBREZKOV, K.A., inzh., retsenzent;  
MAYDANCHIK, B.Y., inzh., red.; KUTENKOVA, G.M., tekhn.red.

[Calculating unfinished production in the manufacture of  
machinery] Raschety nezavershennogo proizvodstva v mashino-  
stroenii. Sverdlovsk, Tsentr.biuro tekhn.informatsii, 1959.  
32 p.  
(MIREA 14:4)

1. Russia (1917- R.S.F.S.R.) Sverdlovskiy ekonomicheaskiy  
administrativnyy rayon. Sovet narodnogo khozyaystva.  
(Machinery industry--Accounting)

OBREZKOV, S. S. inzh.

Water resources of Argentina and their utilization. Energokhoz.  
za rub. no. 4;42-44 J1-Ag '57. (MIR 12:11)  
(Argentina--Hydroelectric Power Stations)

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CIA-RDP86-00513R001237720005-4

OBREZKOV, S.S. inzhener.

Dam construction in Switzerland. Gidr. stroi. 26 no.2:54-56 P '57.  
(Switzerland--Dams)  
(MLRA 10:4)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720005-4"